

CLAIMS

5 What is claimed is:

1. A method for generating a locale-sensitive version of a Java™ application, the method comprising:

10 determining whether a JAR (Java™ Archive) file comprises a first resource bundle, wherein the resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

15 in response to determining that the JAR file comprises a first resource bundle, retrieving a set of text strings from the first resource bundle;

 receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

20 generating a second resource bundle comprising the set of translated text strings; and

 storing the second resource bundle in the JAR file.

25 2. The method of claim 1, wherein the step of determining whether a JAR file comprises a first resource bundle further comprises:

 obtaining a list of entries in the JAR file; and

 determining whether the JAR file comprises at least one Java™ “.class” entry.

30 3. The method of claim 2 further comprising:

 in response to a determination that the JAR file comprises at least one Java™ “.class” entry, attempting to

load a class associated with the Java™ “.class” entry using the “ResourceBundle.getBundle()” method; and

in response to a successful load of the class associated with the Java™ “.class” entry, providing a
5 positive indication for the determination that the JAR file comprises a first resource bundle.

4. The method of claim 1, wherein the step of determining whether a JAR file comprises a first resource bundle further
10 comprises:

obtaining a list of entries in the JAR file; and
determining whether the JAR file comprises at least one Java™ “.properties” entry.

15 5. The method of claim 4 further comprising:
in response to a determination that the JAR file comprises at least one Java™ “.properties” entry, providing a positive indication for the determination that the JAR file comprises a first resource bundle.

20 6. The method of claim 1 further comprising:
presenting an untranslated text string from the set of text strings from the first resource bundle within an editable field within a window; and

25 receiving user input for a translated text string corresponding to the untranslated text string.

7. The method of claim 1 further comprising:
naming the second resource bundle in accordance with a
30 language for the translated text strings and naming convention rules for resource bundles.

8. The method of claim 1 further comprising:

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extracting a copy of the first resource bundle from the
JAR file; and

storing the copy of the first resource bundle in an
external file.

9. An apparatus for generating a locale-sensitive version of a Java™ application, the apparatus comprising:

means for determining whether a JAR (Java™ Archive) file comprises a first resource bundle, wherein the resource
5 bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

means for retrieving a set of text strings from the first resource bundle in response to determining that the JAR file comprises a first resource bundle;

10 means for receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

means for generating a second resource bundle comprising the set of translated text strings; and

15 means for storing the second resource bundle in the JAR file.

10. The apparatus of claim 9, wherein the means for determining whether a JAR file comprises a first resource
20 bundle further comprises:

means for obtaining a list of entries in the JAR file;
and

means for determining whether the JAR file comprises at least one Java™ “.class” entry.

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11. The apparatus of claim 10 further comprising:

means for attempting to load a class associated with the Java™ “.class” entry using the

“ResourceBundle.getBundle()” method in response to a
30 determination that the JAR file comprises at least one Java™ “.class” entry; and

means for providing a positive indication for the determination that the JAR file comprises a first resource

bundle in response to a successful load of the class associated with the Java™ “.class” entry.

12. The apparatus of claim 9, wherein the means for
5 determining whether a JAR file comprises a first resource bundle further comprises:

means for obtaining a list of entries in the JAR file;
and

- 10 means for determining whether the JAR file comprises at least one Java™ “.properties” entry.

13. The apparatus of claim 12 further comprising:

means for providing a positive indication for the
determination that the JAR file comprises a first resource
15 bundle in response to a determination that the JAR file comprises at least one Java™ “.properties” entry.

14. The apparatus of claim 9 further comprising:

means for presenting an untranslated text string from
20 the set of text strings from the first resource bundle within an editable field within a window; and
means for receiving user input for a translated text string corresponding to the untranslated text string.

- 25 15. The apparatus of claim 9 further comprising:

means for naming the second resource bundle in
accordance with a language for the translated text strings
and naming convention rules for resource bundles.

- 30 16. The apparatus of claim 9 further comprising:

means for extracting a copy of the first resource
bundle from the JAR file; and

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means for storing the copy of the first resource bundle
in an external file.

17. A computer program product in a computer-readable medium for use in a data processing system for generating a locale-sensitive version of a Java™ application, the computer program product comprising:

5 instructions for determining whether a JAR (Java™ Archive) file comprises a first resource bundle, wherein the resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

10 instructions for retrieving a set of text strings from the first resource bundle in response to determining that the JAR file comprises a first resource bundle;

 instructions for receiving a set of translated text strings corresponding to a subset of the set of text strings
15 from the first resource bundle;

 instructions for generating a second resource bundle comprising the set of translated text strings; and

 instructions for storing the second resource bundle in the JAR file.

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18. The computer program product of claim 17, wherein the instructions for determining whether a JAR file comprises a first resource bundle further comprises:

 instructions for obtaining a list of entries in the JAR
25 file; and

 instructions for determining whether the JAR file comprises at least one Java™ “.class” entry.

19. The computer program product of claim 18 further comprising:

instructions for attempting to load a class associated with the Java™ “.class” entry using the

5 “ResourceBundle.getBundle()” method in response to a determination that the JAR file comprises at least one Java™ “.class” entry; and

10 instructions for providing a positive indication for the determination that the JAR file comprises a first resource bundle in response to a successful load of the class associated with the Java™ “.class” entry.

20. The computer program product of claim 17, wherein the instructions for determining whether a JAR file comprises a
15 first resource bundle further comprises:

instructions for obtaining a list of entries in the JAR file; and

20 instructions for determining whether the JAR file comprises at least one Java™ “.properties” entry.

21. The computer program product of claim 20 further comprising:

25 instructions for providing a positive indication for the determination that the JAR file comprises a first resource bundle in response to a determination that the JAR file comprises at least one Java™ “.properties” entry.

22. The computer program product of claim 17 further comprising:

- instructions for presenting an untranslated text string from the set of text strings from the first resource bundle within an editable field within a window; and
- instructions for receiving user input for a translated text string corresponding to the untranslated text string.

23. The computer program product of claim 17 further comprising:

- instructions for naming the second resource bundle in accordance with a language for the translated text strings and naming convention rules for resource bundles.

24. The computer program product of claim 17 further comprising:

- instructions for extracting a copy of the first resource bundle from the JAR file; and
- instructions for storing the copy of the first resource bundle in an external file.